

METHOD AND SYSTEM FOR FAULT DIAGNOSIS IN A DATA NETWORK

ABSTRACT OF THE INVENTION

5 Method and system of fault diagnosis in a data network.
Specifically, one embodiment of the present invention discloses
a method for automating the process of determining faults in a
data network. A network management station (NMS) receives
filtered fault data from the various subnetworks of computer
10 systems that comprise the data network. Each of the
subnetworks have an associated performance manager that
monitors, collects and filters fault data from the subnetwork.
Each of the performance managers send their respective filtered
fault data to the NMS. The NMS further analyses the filtered
15 fault data to identify the fault and locate a source of the
fault within the topology of the data network. The NMS can
further query the network for additional fault data as
necessary. The NMS displays the fault, cause, and location of
the cause to a network engineer for correction.